

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: NUCLEOTIDE VECTOR, COMPOSITION CONTAINING SUCH VECTOR AND VACCINE FOR IMMUNIZATION AGAINST HEPATITIS

the specification of which [X] is attached and/or [X] was filed as United States Application Serial No. _____ on April 22, 1996 and was amended on _____ (if applicable); or was filed as PCT International Application Number _____ on _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

COUNTRY (if PCT indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
France	93 12659	22 October 1993	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

U.S. APPLICATIONS			STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE		PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO	PCT FILING DATE	U.S. SERIAL NUMBER ASSIGNED (if any)			
PCT/FR 94/00483	27 April 1994				

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., Reg. No. 22,540; Douglas B. Henderson, Reg. No. 20,291; Ford F. Farabow, Jr., Reg. No. 20,630; Arthur S. Garrett, Reg. No. 20,338; Donald R. Dunner, Reg. No. 19,073; Brian G. Brunsvold, Reg. No. 22,593; Tipton D. Jennings, IV, Reg. No. 20,645; Jerry D. Voight, Reg. No. 23,020; Laurence R. Hefter, Reg. No. 20,827; Kenneth E. Payne, Reg. No. 23,098; Herbert H. Mintz, Reg. No. 26,691; C. Larry O'Rourke, Reg. No. 26,014; Albert J. Santorelli, Reg. No. 22,610; Michael C. Elmer, Reg. No. 25,857; Richard H. Smith, Reg. No. 20,609; Stephen L. Peterson, Reg. No. 26,325; John M. Romary, Reg. No. 26,331; Bruce C. Zotter, Reg. No. 27,680; Dennis P. O'Reilley, Reg. No. 27,932; Allen M. Sokal, Reg. No. 26,695; Robert D. Bajefsky, Reg. No. 25,387; Richard L. Stroup, Reg. No. 28,478; David W. Hill, Reg. No. 28,220; Thomas L. Irving, Reg. No. 28,619; Charles E. Lipsey, Reg. No. 28,165; Thomas W. Winland, Reg. No. 27,605; Basil J. Lewris, Reg. No. 28,818; Martin I. Fuchs, Reg. No. 28,508; E. Robert Yoches, Reg. No. 30,120; Barry W. Graham, Reg. No. 29,924; Susan Haberman Griffen, Reg. No. 30,907; Richard B. Racine, Reg. No. 30,415; Thomas H. Jenkins, Reg. No. 30,857; Robert E. Converse, Jr., Reg. No. 27,432; Clair X. Mullen, Jr., Reg. No. 20,348; Christopher P. Foley, Reg. No. 31,354; John C. Paul, Reg. No. 30,413; Roger D. Taylor, Reg. No. 28,992; David M. Kelly, Reg. No. 30,953; Kenneth J. Meyers, Reg. No. 25,146; Carol P. Einaudi, Reg. No. 32,220; Walter Y. Boyd, Jr., Reg. No. 31,738; Steven M. Anzalone, Reg. No. 32,095; Jean B. Fordis, Reg. No. 32,984; Barbara C. McCurdy, Reg. No. 32,120; James K. Hammond, Reg. No. 31,964; Richard V. Burgujian, Reg. No. 31,744; J. Michael Jakes, Reg. No. 32,824; and _____ . Please address all correspondence to FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, D.C. 20005, Telephone No. (202) 408-4000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
Heather Lynn Davis	<i>Heather L. Davis</i>	<i>May 23, 1996</i>
RESIDENCE	COUNTRY OF CITIZENSHIP	
<i>Street</i> 33 Willard Avenue , Ottawa, Ontario, <i>K1S 1T4</i>	Canada	
POST OFFICE ADDRESS		
<i>Street</i> 33 Willard Avenue , Ottawa, Ontario, Canada <i>K1S 1T4</i>		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE	DATE
Robert Gerald Whalen	<i>Robert G. Whalen</i>	<i>July 9, 1996</i>
RESIDENCE	COUNTRY OF CITIZENSHIP	
332, rue Lecourbe, 75015 Paris	France <i>USA</i>	
POST OFFICE ADDRESS		
332, rue Lecourbe, 75015 Paris, France		

FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE	DATE
Marie-Louise Michel	<i>Michel</i>	05/22/96
RESIDENCE	COUNTRY OF CITIZENSHIP	
9, Passage du Mont-Cenis, 75018 Paris	France	
POST OFFICE ADDRESS		
9, Passage du Mont-Cenis, 75018 Paris, France		

SUBSTITUTE COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY

U.S. DEPARTMENT OF COM
Patent and Trademark O

(Includes Reference to PCT International Applications)

Atty. Docket No. 05986.0006

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my na

I believe I am the original, first and sole inventor (if only one name is listed be
or an original, first and joint inventor (if plural names are listed below) of the
subject matter which is claimed and for which a patent is sought on the invention
entitled:

NUCLEOTIDE VECTOR COMPOSITION CONTAINING SUCH VECTOR AND
VACCINE FOR IMMUNIZATION AGAINST HEPATITIS

the specification of which:

is attached hereto; or

was filed as United States application Serial No. 08/633,821
on April 22, 1996 and was amended
on _____ (if applicable); or

was filed as PCT international application Number PCT/FR94/00483
on April 27, 1994 and was amended under PCT Article 19
on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identif
specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office
information which is material to the patentability of claims presented in this
application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of
any foreign application(s) for patent or inventor's certificate or of any PCT
international application(s) designating at least one country other than the United
States of America listed below and have also identified below any foreign applicatio
for patent or inventor's certificate or any PCT international application(s) designa
at least one country other than the United States of America filed by me on the same
subject matter having a filing date before that of the application(s) of which prior
is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:			
COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIM UNDER 35 USC 1
France	93 12659	22 October 1993	XX Yes
			Yes
			Yes
			Yes
			Yes
			Yes

Combined Substitute Declaration For Patent Application and Power of Attorney (Continued)
(includes Reference to PCT International Applications)

Atty. Docket No. 05986.0006

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABAND
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBER ASSIGNED (if any)		

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Reg. No. 22,540;
Douglas B. Henderson, Reg. No. 20,291; Ford F. Farabow, Jr., Reg. No. 20,630;
Arthur S. Garrett, Reg. No. 20,338; Donald R. Dunner, Reg. No. 19,073; Brian G.
Brunsvold, Reg. No. 22,593; Tipton D. Jennings, IV, Reg. No. 20,645; Jerry D. Voight
Reg. No. 23,020; Laurence R. Hefter, Reg. No. 20,827; Kenneth E. Payne, Reg. No.
23,098; Herbert H. Mintz, Reg. No. 26,691; C. Larry O'Rourke, Reg. No. 26,014
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26,331; Bruce C. Zotter, Reg. No. 27,680; Dennis P. O'Reilly, Reg. No. 27,932;
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Charles E. Lipsey, Reg. No. 28,165; Thomas W. Winland, Reg. No. 27,605; Basil J. Lew
Reg. No. 28,818; Martin I. Fuchs, Reg. No. 28,508; E. Robert Yoches, Reg. No. 30,120;
Barry W. Graham, Reg. No. 29,924; Susan Haberman Griffen, Reg. No. 30,907; Richard B.
Racine, Reg. No. 30,415; Thomas H. Jenkins, Reg. No. 30,857; Robert E. Converse, Jr.,
Reg. No. 27,432; Clair X. Mullen, Jr., Reg. No. 20,348; Christopher P. Foley,
Reg. No. 31,354; John C. Paul, Reg. No. 30,413; David M. Kelly, Reg. No. 30,953;
Kenneth J. Meyers, Reg. No. 25,146; Carol P. Einaudi, Reg. No. 32,220; Walter Y.
Boyd, Jr., Reg. No. 31,738; Steven M. Anzalone, Reg. No. 32,095; Jean B. Fordis,
Reg. No. 32,984; Barbara C. McCurdy, Reg. No. 32,120; James K. Hammond, Reg. No.
31,964; Richard V. Burgujian, Reg. No. 31,744; J. Michael Jakes, Reg. No. 32,824;
Thomas W. Banks, Reg. No. 32,719; M. Paul Barker, Reg. No. 32,013; Bryan C. Diner,
Reg. No. 32,409; Christopher P. Isaac, Reg. No. 32,616; Andrew C. Sonu, Reg. No.
33,457; Dirk D. Thomas, Reg. No. 32,600; and _____.

Send Correspondence to:

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.
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Washington, D.C. 20005-3315

Direct Telephone Calls to:

(name and telephone number)
Kenneth J. Meyers
(202) 408-4000

Atty. Docket No. 05986.0006

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF FIRST INVENTOR	Heather Lynn DAVIS
-----------------------------------	--------------------

RESIDENCE & CITIZENSHIP	CITY AND STATE OR CITY AND FOREIGN COUNTRY Ottawa, Ontario, K1S1T4	COUNTRY OF CITIZENSHIP Canada
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------------------------	---

FIRST INVENTOR'S SIGNATURE

Heather L. Davis

DATE

6.08.96

FULL NAME OF SECOND INVENTOR	Robert Gerald WHALEN
------------------------------------	----------------------

RESIDENCE & CITIZENSHIP	CITY AND STATE OR CITY AND FOREIGN COUNTRY 75015 Paris, France	COUNTRY OF CITIZENSHIP U.S.A.
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------------------------	---

SECOND INVENTOR'S SIGNATURE

Robert Whalen

DATE

6.8.96

FULL NAME OF THIRD INVENTOR	Marie-Louise MICHEL
-----------------------------------	---------------------

RESIDENCE & CITIZENSHIP	CITY AND STATE OR CITY AND FOREIGN COUNTRY 75018 Paris, France	COUNTRY OF CITIZENSHIP France
----------------------------	---	-------------------------------------

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------------------------	--

THIRD INVENTOR'S SIGNATURE

Michel

DATE

6.08.96

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Davis et al.
Serial No.: 09/146,072
Filed: September 2, 1998
For: NUCLEOTIDE VECTOR, COMPOSITION CONTAINING SUCH VECTOR
AND VACCINE FOR IMMUNIZATION AGAINST HEPATITIS
Examiner: D. Clark
Art Unit: 1633

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on the 3rd day of February, 1999


Kim Ray Akeeli

Assistant Commissioner for Patents
Washington, D.C. 20231

REVOCATION OF PRIOR POWERS OF ATTORNEY

and

NEW POWER OF ATTORNEY

The undersigned, University of Ottawa, owner of the interests conveyed by inventors Heather Davis, Robert Whalen and Marie-Louise Michel, in the above-identified patent application, hereby revokes all former powers of attorney and appoints

David Wolf	17,528	Timothy J. Oyer	36,628	Neil P. Ferraro	39,188
George L. Greenfield	17,756	John N. Anastasi	37,765	Julie A. Beberman	40,906
Stanley Sacks	19,900	Helen C. Lockhart	39,248		
Edward F. Perlman	28,105	James M. Hanifin, Jr.	39,213		
Lawrence M. Green	29,384	Christopher S. Schultz	37,929		
Steven J. Henry	27,900	Paul D. Sorkin	39,039		
Therese A. Hendricks	30,389	John R. Van Amsterdam	40,212		
Edward R. Gates	31,616	Matthew B. Lowrie	38,228		
William R. McClellan	29,409	Michael G. Verga	39,410		
Ronald J. Kransdorf	20,004	Robert E. Rigby, Jr.	36,904		
M. Lawrence Oliverio	30,915	Robert A. Skrivaneck, Jr.	41,316		
Charles E. Pfund	17,030	Robert M. Abrahamsen	40,886		
Jason M. Honeyman	31,624	Lesley A. Hamlin	41,054		
James H. Morris	34,681	Mike W. Crosby	40,970		
Peter C. Lando	34,654	Ivan D. Zitkovsky	37,482		
Gary S. Engelson	35,128	Michele J. Young	43,299		
Peter J. Gordon	35,164	Edward J. Russavage	43,069		
Randy J. Pritzker	35,986	Alan B. Sherr	42,147		
Richard F. Giunta	36,149	John C. Gorecki	38,471		
Douglas R. Wolf	36,971	William G. Gosz	27,787		
Elizabeth R. Plumer	36,637	Thomas P. Grodt	41,045		

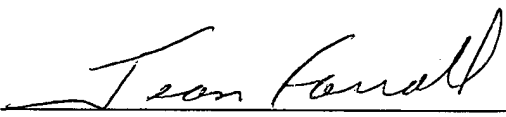
of Wolf, Greenfield & Sacks, P.C., Federal Reserve Plaza, 600 Atlantic Avenue, Boston, Massachusetts 02210-2211, as applicants' attorneys with full power of substitution and revocation to take any and all action necessary with regard to the above-identified application. Address all telephone calls to Helen C. Lockhart at telephone no. (617) 720-3500. Please forward all correspondence to:

Helen C. Lockhart
Registration No. 39,248
Wolf, Greenfield & Sacks, P.C.
Federal Reserve Plaza
600 Atlantic Avenue
Boston, MA 02210-2211

Please charge any fee or any fee deficiency occasioned by this document to Deposit Account No. 23/2825.

Respectfully submitted,

Date: 4 Dec. 1998


Signature

Name	JEAN FARRALL Director Research Services University of Ottawa
Title	

18. NOTE TO PRACTITIONERS: If a CONTINUING APPLICATION, supply the requisite priority or continuity information in (1) the body of the application, or in a preliminary amendment, and (2) in an Application Data Sheet under 37 CFR 1.76.

This application is a continuation of U.S. application Serial No. 09/146,072, filed September 2, 1998, now pending, which is a continuation of U.S. application Serial No. 08/633,821, filed April 22, 1996, now abandoned, which claims priority to PCT/FR94/00483, filed April 27, 1994, which claims priority to French Patent Application No. 93/12659, filed October 22, 1993), each of which are incorporated herein by reference in their entirety.

19. CORRESPONDENCE ADDRESS

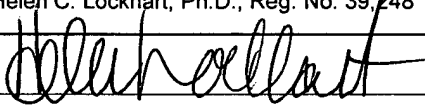
Correspondence address below

CUSTOMER NUMBER: 23628

OR (do NOT use both)

ATTORNEY'S NAME	Helen C. Lockhart				
FIRM NAME	Wolf, Greenfield & Sacks, P.C.				
ADDRESS	600 Atlantic Avenue				
CITY	Boston	STATE	MA	ZIP	02113
COUNTRY	USA	TELEPHONE	617-720-3500	FAX	617-720-2441

20. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

NAME	Helen C. Lockhart, Ph.D., Reg. No. 39,248
SIGNATURE	
DATE	August 20, 2003